

## **Abstract**

This invention discloses a type of rechargeable battery, having a battery core, a battery protective circuit and a cover. The cover can be injection molded from rubber or plastic as a separate unit. There is an opening at each of the two ends of the cover and one or more openings on top of the battery core and corresponding opening on the cover. There are two screws each one piercing through an opening on the cover into a screw hole on the top of the battery core, thereby connecting the cover and the battery core. In comparing to the prior art, the present invention significantly reduces manufacturing costs and simplifies the manufacturing process.